

| L Number | Hits  | Search Text  | DB  | Time stamp       |
|----------|-------|--|---|------------------|
| 5        | 70453 | (print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:22 |
| 6        | 5266  | ((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:25 |
| 8        | 570   | ((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1)))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:27 |
| 9        | 442   | (((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:28 |
| 10       | 226   | (((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:29 |
| 11       | 44    | ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:30 |
| 12       | 27    | ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same (cycle\$1 or period\$1)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:47 |

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|----|-----|---|---|------------------|
| 13 | 17  | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same (cycle\$1 or period\$1))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:50 |
| 14 | 226 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not 6652508.pn.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:50 |
| 15 | 182 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:51 |

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|----|----|--|---|------------------|
| 16 | 42 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)))) and (temperature with (cycle\$1 or period\$1)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:51 |
| 17 | 23 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)))) and (temperature with (cycle\$1 or period\$1))) and (number same (temperature with (cycle\$1 or period\$1))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:52 |

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| 5        | 70453 | (print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:22 |
| 6        | 5266  | ((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:25 |
| 8        | 570   | ((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1)))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:27 |
| 9        | 442   | (((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:28 |
| 10       | 226   | (((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:29 |
| 11       | 44    | ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:30 |
| 12       | 27    | ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same (cycle\$1 or period\$1)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:47 |

|    |     |   |   |                  |
|----|-----|---|---|------------------|
| 13 | 17  | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same (cycle\$1 or period\$1))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:50 |
| 14 | 226 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not 6652508.pn.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:50 |
| 15 | 182 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:51 |

|    |    |   |   |                  |
|----|----|---|---|------------------|
| 16 | 42 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6))) and (temperature with (cycle\$1 or period\$1)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:51 |
| 17 | 23 | (((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) not ((((((print\$4 or record\$4) and (group\$1 or zone\$1 or area\$1 or block\$1 or bank\$1) and (driv\$4 same (voltage or pulsewidth or (pulse adj width)))) and ((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1))) and (((print\$4 or eject\$4 or discharg\$4 or record\$4) near2 (cycle\$1 or period\$1)) same (block\$1 or bank\$1 or group\$1))) and (simultan\$7 or sequent\$7)) and ((adjust\$4 or chang\$4 or var\$6) with driv\$4)) and (((adjust\$4 or chang\$4 or var\$6) with driv\$4) same simultan\$6))) and (temperature with (cycle\$1 or period\$1))) and (number same (temperature with (cycle\$1 or period\$1))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/08/12 14:52 |